Vienna Instruments
Historic Winds

Historic Winds I
Baroque oboe
Oboe da caccia
Ophicleide
Serpent
Transverse flute

Historic Winds II
Cornett (Zink)
Crumhorn soprano,
alto, tenor,
bass, great bass
Natural trumpet Bb, C, D

Historic Winds III
Natural horn C and Bb alto/basso
Natural horn D, Eb, E, F, G, A

Contents

Introduction

Welcome to the Vienna Symphonic Library, and thank you for purchasing one of our Vienna Instruments Collections! This document contains the mapping information for our Libraries Historic Winds I, II and III. For each instrument of this group, you will find mapping information giving details for every Patch, Matrix, and Preset.

Patch information

The Patch information includes articulation type, playing range, number of samples used, RAM requirements for the Vienna Instruments Player's default preload size, the number of velocity layers and alternations, AB switching possibilities, etc., as well as Patch specific information if necessary.

Wherever possible, instruments are built up similarly in order to facilitate exchanging them with each other to check out different sounds and combinations. Articulations, too, are largely the same within every instrument group. Here's a brief summary of the articulations included in these Libraries:

Short notes: staccato, short and long portato (natural horns: only one portato variant)
Long notes: sustained (natural trumpets: with and without vibrato)
Dynamics: crescendo and diminuendo 2/3/4 sec., crescendo-diminuendo 2/4/6 sec. (not for natural horns), fortepiano, sforzato, sforzatissimo
Interval performances: legato and trills (natural trumpets: legato with and without vibrato; natural horns: only legato)
Repetition performances: legato, portato, staccato; the ophicleide, natural trumpets and natural horns also feature crescendo repetitions
Fast repetitions: 16ths at speeds from 140 to 180, and 200 BPM
Flutter tonguing: normal and crescendo (natural trumpets, natural horns)

The velocity layer switches generally are the same for patches with the same number of layers but may occasionally be adapted to an instrument's requirements. The Patch information also lists the velocity layers in detail.

AB switches

The AB switching possibilities in these Collections only concern the dynamics Patches, where you can switch between crescendo (A switch) and diminuendo (B switch) articulations.

Interval performances

Interval performances are one of the outstanding features of our Vienna Instruments. They allow you to play authentic legato without any programming tricks. In our Silent Stage, all intervals from minor second to the octave were recorded for every instrument – up and down, of course; that makes 24 interval samples per note for one velocity alone! When you load an interval performance Patch and play a line on your keyboard, the software automatically joins the right samples with their interval transitions again, and you hear a perfect legato. By the way, this technique is not only used for legato but also for other articulations such as the strings' portamento, marcato, détaché and spiccato articulations.

Interval performances also contain at least two legato repetitions for every note which alternate automatically whenever you strike a key more than once. There also are preconfigured thresholds for legato and repetition notes: The legato threshold – i.e., the maximum break between notes where legato is played – is 50 ms. Otherwise, a sustained starting note will sound so that you can easily start a new phrase without leaving the legato Patch. For note repetitions, the threshold is 200 ms: a break up to that duration will yield a legato repetition; if the break is longer, a new starting note. But of course, it's mingling legato with other articulations which makes a piece really come alive.

Due to their nature, all interval performances are basically monophonic; otherwise, the software would have to be able to decide which source note belongs to which target note – to a certain extent, the *Vienna Instruments* player software is able to do this. To circumvent its necessary limitations regarding voice assignment, you can open two VI instances of the same instrument on separate MIDI tracks without any additional strain on your RAM.

Matrix and Preset information

Each Matrix listing contains information regarding the Patches used for the Matrix, the number of horizontal and vertical dimensions, and Patch switching properties. A mapping table shows the Cell positions for each of the Matrix' Patches.

In order to facilitate working with **MIDI controller switches** like the Modulation wheel, the switching positions are not distributed equally across the controller range if they control more than two Matrix rows or columns; generally, the switching range will be narrower at the extreme positions because they are easy to set, and wider in the middle where it is harder to find the desired setting.

The Preset information lists the Matrices used in the Preset as well as its keyswitches. All other information can be gathered from the Matrix and Patch listings, so there's not really much to say here. Please note that the Matrices of a Preset can also be switched with MIDI Program Changes (VI: 101–112; VI Pro: 1–127) instead of keyboard notes, and if you like to keep your keyboard free for playing instead of switching, you can disable Preset keyswitching and only use MIDI Program Changes. VI Pro also allows you to define a MIDI Control for Preset keyswitching.

Vienna Instruments (VI) and Vienna Instruments PRO (VI Pro) Matrices and Presets

Vienna Instruments Libraries contain Matrices and Presets for the free *Vienna Instruments* Player software and for *Vienna Instruments PRO*, which features powerful functions for enhancing the "human" sound of your compositions, distributing voices, etc. While Matrices and Presets of the same name contain the same Patches and samples, the PRO versions make use of these functions to create a more lively and natural-sounding impression.

Please note that *Vienna Instruments PRO* Matrices and Presets do not appear in the "standard" *Vienna Instruments*' file browser.

When using the *Vienna Instruments PRO* player, we strongly recommend loading the VI Pro Matrices and Presets, since only they make full use of the software's features.

Pitch

For designating pitch, the Vienna Symphonic Library uses International Pitch Notation (IPN), which was agreed upon internationally under the auspices of the Acoustical Society of America. In this system the international standard of A=440 Hz is called A4 and middle C is C4. All pitches are written as capital letters, their respective octave being indicated by a number next to it. The lowest C on the piano is C1 (the A below that is A0), etc.

You can tune your Vienna Instruments to other players, or adjust it to tunings of earlier musical periods by setting the Perform page's Master Tune option within a range of 420 to 460 Hz.

Historic Winds I

Patches

Baroque oboe **Range: C4–D6**

Staccato, portato short and long
Sustained
Legato and trill performances
Fortepiano, sforzato, sforzatissimo
Crescendo and diminuendo, 2/3/4 sec.
Crescendo-diminuendo, 2/4/6 sec.
Repetition performances legato, portato, staccato
Fast repetitions, 140–180, and 200 BPM

01 BAO_staccato **Samples: 120** **RAM: 7 MB**

Staccato
2 velocity layers: 0–88 p; 89–127 f

02 BAO_portato_short **Samples: 120** **RAM: 7 MB**

Portato, short
2 velocity layers: 0–88 p; 89–127 f

03 BAO_portato_long **Samples: 150** **RAM: 9 MB**

Portato, long
2 velocity layers: 0–88 p; 89–127 f
Release samples

04 BAO_sus **Samples: 120** **RAM: 7 MB**

Sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

05 BAO_perf-legato **Samples: 650** **RAM: 40 MB**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

06 BAO_perf-trill **Samples: 1754** **RAM: 109 MB**

Trills, minor 2nd to major 3rd
All other intervals legato
2 velocity layers: 0–88 p; 89–127 f
Release samples

08 BAO_fp **Samples: 75** **RAM: 4 MB**

Fortepiano
1 velocity layer
Release samples

09 BAO_sfz **Samples: 75** **RAM: 4 MB**

Sforzato
1 velocity layer
Release samples

10 BAO_sffz **Samples: 59** **RAM: 3 MB**

Sforzatissimo
1 velocity layer
Release samples

11 BAO_dyn_2s **Samples: 30** **RAM: 1 MB**

Crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

12 BAO_dyn_3s **Samples: 30** **RAM: 1 MB**

Crescendo and diminuendo, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

13 BAO_dyn_4s **Samples: 30** **RAM: 1 MB**

Crescendo and diminuendo, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

14 BAO_pfp_2s **Samples: 15** **RAM: 1 MB**

Crescendo-diminuendo, 2 sec.
1 velocity layer

15 BAO_pfp_4s **Samples: 15** **RAM: 1 MB**

Crescendo-diminuendo, 4 sec.
1 velocity layer

16 BAO_pfp_6s **Samples: 15** **RAM: 1 MB**

Crescendo-diminuendo, 6 sec.
1 velocity layer

21 BAO_perf-rep_leg **Samples: 150** **RAM: 9 MB**

Repetition performances, legato
2 velocity layers: 0–88 p; 89–127 f

22 BAO_perf-rep_por **Samples: 270** **RAM: 16 MB**

Repetition performances, portato
2 velocity layers: 0–88 p; 89–127 f

23 BAO_perf-rep_sta **Samples: 270** **RAM: 16 MB**

Repetition performances, staccato
2 velocity layers: 0–88 p; 89–127 f

31 BAO_fast-rep_140 (150/160/170/180/200) **Samples: 31** **RAM: 1 MB**

Staccato repetitions, 140–180, and 200 BPM
1 velocity layer: 0–127 mf
Release samples

Oboe da caccia — Range: F3–G5

Staccato, portato short and long
Sustained
Legato and trill performances
Fortepiano, sforzato, sforzatissimo
Crescendo and diminuendo, 2/3/4 sec.
Crescendo-diminuendo, 2/4/6 sec.
Repetition performances legato, portato, staccato
Fast repetitions, 140–180, and 200 BPM

01 OCA_staccato **Samples: 128** **RAM: 8 MB**

Staccato
2 velocity layers: 0–88 p; 89–127 f

02 OCA_portato_short **Samples: 128** **RAM: 8 MB**

Portato, short
2 velocity layers: 0–88 p; 89–127 f

03 OCA_portato_long **Samples: 160** **RAM: 10 MB**

Portato, long
2 velocity layers: 0–88 p; 89–127 f
Release samples

04 OCA_sus **Samples: 128** **RAM: 8 MB**

Sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

05 OCA_perf-legato **Samples: 710** **RAM: 44 MB**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

06 OCA_perf-trill **Samples: 1750** **RAM: 109 MB**

Trills, minor 2nd to major 3rd
All other intervals legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

08 OCA_fp **Samples: 80** **RAM: 5 MB**

Fortepiano
1 velocity layer
Release samples

09 OCA_sfz **Samples: 80** **RAM: 5 MB**

Sforzato
1 velocity layer
Release samples

10 OCA_sffz **Samples: 64** **RAM: 4 MB**

Sforzatissimo
1 velocity layer
Release samples

11 OCA_dyn_2s **Samples: 32** **RAM: 2 MB**

Crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

12 OCA_dyn_3s **Samples: 32** **RAM: 2 MB**

Crescendo and diminuendo, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

13 OCA_dyn_4s **Samples: 32** **RAM: 2 MB**

Crescendo and diminuendo, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

14 OCA_pfp_2s **Samples: 16** **RAM: 1 MB**

Crescendo-diminuendo, 2 sec.
1 velocity layer

15 OCA_pfp_4s **Samples: 16** **RAM: 1 MB**

Crescendo-diminuendo, 4 sec.
1 velocity layer

16 OCA_pfp_6s **Samples: 16** **RAM: 1 MB**

Crescendo-diminuendo, 6 sec.
1 velocity layer

21 OCA_perf-rep_leg **Samples: 160** **RAM: 10 MB**

Repetition performances, legato
2 velocity layers: 0–88 p; 89–127 f

22 OCA_perf-rep_por **Samples: 288** **RAM: 18 MB**

Repetition performances, portato
2 velocity layers: 0–88 p; 89–127 f

23 OCA_perf-rep_sta **Samples: 288** **RAM: 18 MB**

Repetition performances, staccato
2 velocity layers: 0–88 p; 89–127 f

31 OCA_fast-rep_140 (150/160/170/180/200) **Samples: 64** **RAM: 4 MB**

Staccato repetitions, 140–180, and 200 BPM
1 velocity layer: 0–127 mf
Release samples

Ophicleide Range: A1–A4

Staccato, portato short and long
Sustained
Legato and trill performances
Sforzato
Crescendo and diminuendo, 2/3/4 sec.
Repetition performances legato, portato, staccato, normal and crescendo

01 OPH_staccato **Samples: 352** **RAM: 22 MB**

Staccato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

02 OPH_portato_short **Samples: 352** **RAM: 22 MB**

Portato, short
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

03 OPH_portato_long **Samples: 418** **RAM: 26 MB**

Portato, long
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

04 OPH_sus **Samples: 264** **RAM: 16 MB**

Sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

05 OPH_perf-legato **Range: A1–F#4** **Samples: 1140** **RAM: 71 MB**

Legato
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

06 OPH_perf-trill **Range: A1–F#4** **Samples: 2055** **RAM: 128 MB**

Trills, minor 2nd to major 3rd
All other intervals legato
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

09 OPH_sfz **Samples: 88** **RAM: 5 MB**

Sforzato
1 velocity layer
Release samples

11 OPH_dyn_2s **Samples: 44** **RAM: 2 MB**

Crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

12 OPH_dyn_3s **Samples: 44** **RAM: 2 MB**

Crescendo and diminuendo, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

13 OPH_dyn_4s **Samples: 44** **RAM: 2 MB**

Crescendo and diminuendo, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

21 OPH_perf-rep_leg **Samples: 220** **RAM: 13 MB**

Repetition performances, legato
2 velocity layers: 0–88 p; 89–127 f

22 OPH_perf-rep_por **Samples: 396** **RAM: 24 MB**

Repetition performances, portato
2 velocity layers: 0–88 p; 89–127 f

23 OPH_perf-rep_sta **Samples: 396** **RAM: 24 MB**

Repetition performances, staccato
2 velocity layers: 0–88 p; 89–127 f

24 OPH_perf-rep_leg_cre **Samples: 110** **RAM: 6 MB**

Repetition performances, legato crescendo, 5 repetitions
1 velocity layer

25 OPH_perf-rep_por_cre **Samples: 198** **RAM: 12 MB**

Repetition performances, portato crescendo, 9 repetitions
1 velocity layer

26 OPH_perf-rep_sta_cre **Samples: 198** **RAM: 12 MB**

Repetition performances, staccato crescendo, 9 repetitions
1 velocity layer

Serpent — Range: F1–A4

Staccato, portato short and long
Sustained
Legato performances
Sforzato
Repetition performances legato, portato, staccato

01 SER_staccato **Samples: 288** **RAM: 18 MB**

Staccato
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

02 SER_portato_short **Samples: 312** **RAM: 19 MB**

Portato, short
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

03 SER_portato_long **Samples: 366** **RAM: 22 MB**

Portato, long
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

04 SER_sus **Samples: 312** **RAM: 19 MB**

Sustained
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

05 SER_perf-legato **Range: F1–F4** **Samples: 1168** **RAM: 73 MB**

Legato
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f
Release samples

09 SER_sfz **Samples: 133** **RAM: 8 MB**

Sforzato
1 velocity layer
Release samples

21 SER_perf-rep_leg **Samples: 192** **RAM: 12 MB**

Repetition performances, legato
2 velocity layers: 0–88 p; 89–127 f

22 SER_perf-rep_por **Samples: 432** **RAM: 27 MB**

Repetition performances, portato
2 velocity layers: 0–88 p; 89–127 f

23 SER_perf-rep_sta **Samples: 432** **RAM: 27 MB**

Repetition performances, staccato
2 velocity layers: 0–88 p; 89–127 f

Travers flute **Range: C4–G6**

Staccato, portato short and long
Sustained
Legato and trill performances
Fortepiano, sforzato, sforzatissimo
Crescendo and diminuendo, 2/3/4 sec.
Crescendo-diminuendo, 2/4/6 sec.
Repetition performances legato, portato, staccato
Fast repetitions, 140–180, and 200 BPM

01 TFL_staccato **Samples: 144** **RAM: 9 MB**

Staccato
2 velocity layers: 0–88 p; 89–127 f

02 TFL_portato_short **Samples: 144** **RAM: 9 MB**

Portato, short
2 velocity layers: 0–88 p; 89–127 f

03 TFL_portato_long **Samples: 180** **RAM: 11 MB**

Portato, long
2 velocity layers: 0–88 p; 89–127 f
Release samples

04 TFL_sus **Samples: 144** **RAM: 9 MB**

Sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

05 TFL_perf-legato **Samples: 884** **RAM: 55 MB**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

06 TFL_perf-trill **Samples: 2204** **RAM: 137 MB**

Trills, minor 2nd to major 3rd
All other intervals legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

08 TFL_fp **Samples: 90** **RAM: 5 MB**

Fortepiano
1 velocity layer
Release samples

09 TFL_sfz **Samples: 90** **RAM: 5 MB**

Sforzato
1 velocity layer
Release samples

10 TFL_sffz **Samples: 72** **RAM: 4 MB**

Sforzatissimo
1 velocity layer
Release samples

11 TFL_dyn_2s **Samples: 36** **RAM: 2 MB**

Crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

12 TFL_dyn_3s **Samples: 36** **RAM: 2 MB**

Crescendo and diminuendo, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

13 TFL_dyn_4s **Samples: 36** **RAM: 2 MB**

Crescendo and diminuendo, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

14 TFL_pfp_2s **Samples: 18** **RAM: 1 MB**

Crescendo-diminuendo, 2 sec.
1 velocity layer

15 TFL_pfp_4s **Samples: 18** **RAM: 1 MB**

Crescendo-diminuendo, 4 sec.
1 velocity layer

16 TFL_pfp_6s **Samples: 18** **RAM: 1 MB**

Crescendo-diminuendo, 6 sec.
1 velocity layer

21 TFL_perf-rep_leg **Samples: 180** **RAM: 11 MB**

Repetition performances, legato
2 velocity layers: 0–88 p; 89–127 f

22 TFL_perf-rep_por **Samples: 324** **RAM: 20 MB**

Repetition performances, portato
2 velocity layers: 0–88 p; 89–127 f

23 TFL_perf-rep_sta **Samples: 324** **RAM: 20 MB**

Repetition performances, staccato
2 velocity layers: 0–88 p; 89–127 f

31 TFL_fast-rep_140 (150/160/170/180/200) **Samples: 37** **RAM: 2 MB**

Staccato repetitions, 140–180, and 200 BPM
1 velocity layer: 0–127 mf
Release samples

Matrices

Matrix - VI

Baroque oboe

01 BAO_Art-Combi **Samples: 3344 RAM: 209 MB**

Staccato, portato short and long, portato long with staccato attack
Sustained normal and with staccato attack
Fortepiano, sforzato, sforzatissimo
Performance legato and trills
Performance repetitions legato, portato, staccato
Crescendo and diminuendo 2/3/4 sec.
pfp 2/4/6 sec.
Fast repetitions 140/160/180/200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	fp	legato	legato reps.	dyn 2 sec.	pfp 2 sec.	reps. 140 BPM
V2	portato short	sustained	sfz	legato	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 160 BPM
V3	portato long	sus / stacc. attack	sfz	perf. trills	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 180 BPM
V4	portato long / stacc. attack	sus / stacc. attack	sffz	perf. trills	staccato reps.	dyn 4 sec.	pfp 6 sec.	reps. 200 BPM

Oboe da caccia

01 OCA_Art-Combi

Samples: 3526 RAM: 220 MB

Staccato, portato short and long, portato long with staccato attack
Sustained normal and with staccato attack
Fortepiano, sforzato, sforzatissimo
Performance legato and trills
Performance repetitions legato, portato, staccato
Crescendo and diminuendo 2/3/4 sec.
pfp 2/4/6 sec.
Fast repetitions 140/160/180/200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	fp	legato	legato reps.	dyn 2 sec.	pfp 2 sec.	reps. 140 BPM
V2	portato short	sustained	sfz	legato	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 160 BPM
V3	portato long	sus / stacc. attack	sfz	perf. trills	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 180 BPM
V4	portato long / stacc. attack	sus / stacc. attack	sffz	perf. trills	staccato reps.	dyn 4 sec.	pfp 6 sec.	reps. 200 BPM

Ophikleide

01 OPH_Art-Combi

Samples: 4643 RAM: 290 MB

Staccato, portato short and long, portato long with staccato attack
Sustained normal and with staccato attack
Sforzato
Performance legato and trills
Performance repetitions legato, portato, staccato
Crescendo and diminuendo 2/3/4 sec.

Matrix switches: Horizontal: Keyswitches, C5–F5 Vertical: Modwheel, 4 zones

	C5	C#5	D5	D#5	E5	F5
V1	staccato	sustained	sfz	legato	legato reps.	dyn 2 sec.
V2	portato short	sustained	sfz	legato	portato reps.	dyn 3 sec.
V3	portato long	sus / stacc. attack	sfz	perf. trills	portato reps.	dyn 3 sec.
V4	portato long / stacc. attack	sus / stacc. attack	sfz	perf. trills	staccato reps.	dyn 4 sec.

Serpent

01 SER_Art-Combi

Samples: 3283 RAM: 205 MB

Staccato, portato short and long, portato long with staccato attack
Sustained normal and with staccato attack
Sforzato
Performance legato
Performance repetitions legato, portato, staccato

Matrix switches: Horizontal: Keyswitches, C5–E5 Vertical: Modwheel, 4 zones

	C5	C#5	D5	D#5	E5
V1	staccato	sustained	sfz	legato	legato reps.
V2	portato short	sustained	sfz	legato	portato reps.
V3	portato long	sus / stacc. attack	sfz	legato	portato reps.
V4	portato long / stacc. attack	sus / stacc. attack	sfz	legato	staccato reps.

Travers flute

01 TFL_Art-Combi

Samples: 4146 RAM: 259 MB

Staccato, portato short and long, portato long with staccato attack
Sustained normal and with staccato attack
Fortepiano, sforzato, staccato
Crescendo and diminuendo 2/3/4 sec.
pfp 2/4/6 sec.
Fast repetitions 140/160/180/200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	fp	legato	legato reps.	dyn 2 sec.	pfp 2 sec.	reps. 140 BPM
V2	portato short	sustained	sfz	legato	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 160 BPM
V3	portato long	sus / stacc. attack	sfz	perf. trills	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 180 BPM
V4	portato long / stacc. attack	sus / stacc. attack	sffz	perf. trills	staccato reps.	dyn 4 sec.	pfp 6 sec.	reps. 200 BPM

Matrix - VI PRO

Baroque oboe

01P BAO_Art-Combi_Pure **Samples: 3344 RAM: 209 MB**

Like 01 BAO_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	fp	legato	legato reps.	dyn 2 sec.	pfp 2 sec.	reps. 140 BPM
V2	portato short	sustained	sfz	legato	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 160 BPM
V3	portato long	sus / stacc. attack	sfz	perf. trills	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 180 BPM
V4	portato long / stacc. attack	sus / stacc. attack	sffz	perf. trills	staccato reps.	dyn 4 sec.	pfp 6 sec.	reps. 200 BPM

02P BAO_Art-Combi_Vib **Samples: 3344 RAM: 209 MB**

Like 01 BAO_Art-Combi, with added LFO effects to simulate slight vibrato

03P BAO_Art-Combi_Tune **Samples: 3344 RAM: 209 MB**

Like 01 BAO_Art-Combi, with added tuning-in variations in the attack

Oboe da caccia

01P OCA_Art-Combi_Pure **Samples: 3526 RAM: 220 MB**

Like 01 OCA_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	fp	legato	legato reps.	dyn 2 sec.	pfp 2 sec.	reps. 140 BPM
V2	portato short	sustained	sfz	legato	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 160 BPM
V3	portato long	sus / stacc. attack	sfz	perf. trills	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 180 BPM
V4	portato long / stacc. attack	sus / stacc. attack	sffz	perf. trills	staccato reps.	dyn 4 sec.	pfp 6 sec.	reps. 200 BPM

02P OCA_Art-Combi_Vib **Samples: 3526 RAM: 220 MB**

Like 01 OCA_Art-Combi, with added LFO effects to simulate slight vibrato

03P OCA_Art-Combi_Tune **Samples: 3526 RAM: 220 MB**

Like 01 OCA_Art-Combi, with added tuning-in variations in the attack

Ophikleide

01P OPH_Art-Combi_Pure — Samples: 4643 RAM: 290 MB

Like 01 OPH_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C5–F5 Vertical: Modwheel, 4 zones

	C5	C#5	D5	D#5	E5	F5
V1	staccato	sustained	sfz	legato	legato reps.	dyn 2 sec.
V2	portato short	sustained	sfz	legato	portato reps.	dyn 3 sec.
V3	portato long	sus / stacc. attack	sfz	perf. trills	portato reps.	dyn 3 sec.
V4	portato long / stacc. attack	sus / stacc. attack	sfz	perf. trills	staccato reps.	dyn 4 sec.

02P OPH_Art-Combi_Vib — Samples: 4643 RAM: 290 MB

Like 01 OPH_Art-Combi, with added LFO effects to simulate slight vibrato

03P OPH_Art-Combi_Tune — Samples: 4643 RAM: 290 MB

Like 01 OPH_Art-Combi, with added tuning-in variations in the attack

Serpent

01P SER_Art-Combi_Pure — Samples: 3283 RAM: 205 MB

Like 01 SER_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C5–E5 Vertical: Modwheel, 4 zones

	C5	C#5	D5	D#5	E5
V1	staccato	sustained	sfz	legato	legato reps.
V2	portato short	sustained	sfz	legato	portato reps.
V3	portato long	sus / stacc. attack	sfz	legato	portato reps.
V4	portato long / stacc. attack	sus / stacc. attack	sfz	legato	staccato reps.

02P SER_Art-Combi_Vib — Samples: 3283 RAM: 205 MB

Like 01 SER_Art-Combi, with added LFO effects to simulate slight vibrato

03P SER_Art-Combi_Tune — Samples: 3283 RAM: 205 MB

Like 01 SER_Art-Combi, with added tuning-in variations in the attack

Travers flute

01P TFL_Art-Combi_Pure — Samples: 4146 RAM: 259 MB

Like 01 TFL_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	fp	legato	legato reps.	dyn 2 sec.	pfp 2 sec.	reps. 140 BPM
V2	portato short	sustained	sfz	legato	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 160 BPM
V3	portato long	sus / stacc. attack	sfz	perf. trills	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 180 BPM
V4	portato long / stacc. attack	sus / stacc. attack	sffz	perf. trills	staccato reps.	dyn 4 sec.	pfp 6 sec.	reps. 200 BPM

02P TFL_Art-Combi_Vib — Samples: 4146 RAM: 259 MB

Like 01 TFL_Art-Combi, with added LFO effects to simulate slight vibrato

03P TFL_Art-Combi_Tune — Samples: 4146 RAM: 259 MB

Like 01 TFL_Art-Combi, with added tuning-in variations in the attack

Presets

Preset - VI

Baroque oboe - Preset **Samples: 3344** **RAM: 209 MB**
Matrix: 01 BAO_Art-Combi

Oboe da caccia - Preset **Samples: 3526** **RAM: 220 MB**
Matrix: 01 OCA_Art-Combi

Ophikleide - Preset **Samples: 4643** **RAM: 290 MB**
Matrix: 01 OPH_Art-Combi

Serpent - Preset **Samples: 3283** **RAM: 205 MB**
Matrix: 01 SER_Art-Combi

Travers flute - Preset **Samples: 4146** **RAM: 259 MB**
Matrix: 01 TFL_Art-Combi

Preset - VI PRO

Baroque oboe - Preset Pro **Samples: 3344** **RAM: 209 MB**
Matrices:
01P BAO_Art-Combi_Pure
02P BAO_Art-Combi_Vib
03P BAO_Art-Combi_Tune
Matrix Keyswitches: C2–D3

Oboe da caccia - Preset Pro **Samples: 3526** **RAM: 220 MB**
Matrices:
01P OCA_Art-Combi_Pure
02P OCA_Art-Combi_Vib
03P OCA_Art-Combi_Tune
Matrix Keyswitches: C2–D3

Ophikleide - Preset Pro **Samples: 4643** **RAM: 290 MB**
Matrices:
01P OPH_Art-Combi_Pure
02P OPH_Art-Combi_Vib
03P OPH_Art-Combi_Tune
Matrix Keyswitches: C6–D6

Serpent - Preset Pro **Samples: 3283** **RAM: 205 MB**
Matrices:
01P SER_Art-Combi_Pure
02P SER_Art-Combi_Vib
03P SER_Art-Combi_Tune
Matrix Keyswitches: C6–D6

Travers flute - Preset Pro **Samples: 4146** **RAM: 259 MB**

Matrices:
01P TFL_Art-Combi_Pure
02P TFL_Art-Combi_Vib
03P TFL_Art-Combi_Tune
Matrix Keyswitches: C2–D3

Historic Winds II

Patches

Cornett **Range: A3–D6**

Staccato, portato short and long
Sustained
Legato and trill performances
Sforzato
Crescendo and diminuendo, 2/3/4 sec.
Crescendo-diminuendo, 2/4/6 sec.
Repetition performances legato, portato, staccato
Fast repetitions, 140–180, and 200 BPM

01 CNT_staccato **Samples: 144** **RAM: 9 MB**

Staccato
2 velocity layers: 0–88 p; 89–127 f

02 CNT_portato_short **Samples: 144** **RAM: 9 MB**

Portato, short
2 velocity layers: 0–88 p; 89–127 f

03 CNT_portato_long **Samples: 192** **RAM: 12 MB**

Portato, long
2 velocity layers: 0–88 p; 89–127 f
Release samples

04 CNT_sus **Samples: 192** **RAM: 12 MB**

Sustained
2 velocity layers: 0–88 p; 89–127 f
Release samples

05 CNT_perf-legato **Samples: 932** **RAM: 58 MB**

Legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

06 CNT_perf-trill **Samples: 2252** **RAM: 140 MB**

Trills, minor 2nd to major 3rd
All other intervals legato
Monophonic
2 velocity layers: 0–88 p; 89–127 f
Release samples

09 CNT_sfz **Samples: 102** **RAM: 6 MB**

Sforzato
1 velocity layer
Release samples

11 CNT_dyn_2s **Samples: 36** **RAM: 2 MB**

Crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

12 CNT_dyn_3s **Samples: 36** **RAM: 2 MB**

Crescendo and diminuendo, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

13 CNT_dyn_4s **Samples: 36** **RAM: 2 MB**

Crescendo and diminuendo, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

14 CNT_pfp_2s **Samples: 18** **RAM: 1 MB**

Crescendo-diminuendo, 2 sec.
1 velocity layer

15 CNT_pfp_4s **Samples: 18** **RAM: 1 MB**

Crescendo-diminuendo, 4 sec.
1 velocity layer

16 CNT_pfp_6s **Samples: 18** **RAM: 1 MB**

Crescendo-diminuendo, 6 sec.
1 velocity layer

21 CNT_perf-rep_leg **Samples: 228** **RAM: 14 MB**

Repetition performances, legato
2 velocity layers: 0–88 p; 89–127 f
Release samples

22 CNT_perf-rep_por **Samples: 324** **RAM: 20 MB**

Repetition performances, portato
2 velocity layers: 0–88 p; 89–127 f

23 CNT_perf-rep_sta **Samples: 324** **RAM: 20 MB**

Repetition performances, staccato
2 velocity layers: 0–88 p; 89–127 f

31 CNT_fast-rep_140 (150/160/170/180/200) **Samples: 36** **RAM: 2 MB**

Staccato repetitions, 140–180, and 200 BPM
1 velocity layer: 0–127 mf
Release samples

Crumhorns

01 Crumhorn soprano — Range: C4–F5

Staccato, portato
Sustained
Legato and trill performances
Repetition performances legato, portato, staccato
Fast repetitions, 140–180, and 200 BPM

01 CH-Soprano_staccato — **Samples: 60** — **RAM: 3 MB**

Staccato
1 velocity layer

02 CH-Soprano_portato — **Samples: 75** — **RAM: 4 MB**

Portato
1 velocity layer
Release samples

04 CH-Soprano_sus — **Samples: 60** — **RAM: 3 MB**

Sustained
1 velocity layer
Release samples

05 CH-Soprano_perf-legato — **Samples: 195** — **RAM: 12 MB**

Legato
Monophonic
1 velocity layer
Release samples

06 CH-Soprano_perf-trill — **Samples: 475** — **RAM: 29 MB**

Trills, minor 2nd to major 3rd
All other intervals legato
Monophonic
1 velocity layer
Release samples

21 CH-Soprano_perf-rep_leg — **Samples: 90** — **RAM: 5 MB**

Repetition performances, legato
1 velocity layer
Release samples

22 CH-Soprano_perf-rep_por — **Samples: 135** — **RAM: 8 MB**

Repetition performances, portato
1 velocity layer

23 CH-Soprano_perf-rep_sta — **Samples: 135** — **RAM: 8 MB**

Repetition performances, staccato
1 velocity layer

31 CH-Soprano_fast-rep_140 (150/160/170/180/200) **Samples: 30RAM: 1 MB**

Staccato repetitions, 140–180, and 200 BPM
1 velocity layer
Release samples

02 Crumhorn alto — Range: F3–A#4

Staccato, portato
Sustained
Legato and trill performances
Repetition performances legato, portato, staccato
Fast repetitions, 140–180, and 200 BPM

01 CH-Alto_staccato **Samples: 60** **RAM: 3 MB**

Staccato
1 velocity layer

02 CH-Alto_portato **Samples: 75** **RAM: 4 MB**

Portato, long
1 velocity layer
Release samples

04 CH-Alto_sus **Samples: 60** **RAM: 3 MB**

Sustained
1 velocity layer
Release samples

05 CH-Alto_perf-legato **Samples: 195** **RAM: 12 MB**

Legato
Monophonic
1 velocity layer
Release samples

06 CH-Alto_perf-trill **Samples: 475** **RAM: 29 MB**

Trills, minor 2nd to major 3rd
All other intervals legato
Monophonic
1 velocity layer
Release samples

21 CH-Alto_perf-rep_leg **Samples: 90** **RAM: 5 MB**

Repetition performances, legato
1 velocity layer
Release samples

22 CH-Alto_perf-rep_por **Samples: 135** **RAM: 8 MB**

Repetition performances, portato
1 velocity layer

23 CH-Alto_perf-rep_sta **Samples: 135** **RAM: 8 MB**

Repetition performances, staccato
1 velocity layer

31 CH-Alto_fast-rep_140 (150/160/170/180/200) **Range: F3–G4** **Samples: 30** **RAM: 1 MB**

Staccato repetitions, 140–180, and 200 BPM
1 velocity layer
Release samples

03 Crumhorn tenor — Range: C3–F4

Staccato, portato
Sustained
Legato and trill performances
Repetition performances legato, portato, staccato
Fast repetitions, 140–180, and 200 BPM

01 CH-Tenor_staccato **Samples: 64** **RAM: 4 MB**

Staccato
1 velocity layer

02 CH-Tenor_portato **Samples: 80** **RAM: 5 MB**

Portato
1 velocity layer
Release samples

04 CH-Tenor_sus **Samples: 64** **RAM: 4 MB**

Sustained
1 velocity layer
Release samples

05 CH-Tenor_perf-legato **Samples: 212** **RAM: 13 MB**

Legato
Monophonic
1 velocity layer
Release samples

06 CH-Tenor_perf-trill **Samples: 513** **RAM: 32 MB**

Trills, minor 2nd to major 3rd
All other intervals legato
Monophonic
1 velocity layer
Release samples

21 CH-Tenor_perf-rep_leg **Samples: 96** **RAM: 6 MB**

Repetition performances, legato
1 velocity layer
Release samples

22 CH-Tenor_perf-rep_por **Samples: 144** **RAM: 9 MB**

Repetition performances, portato
1 velocity layer

23 CH-Tenor_perf-rep_sta **Samples: 144** **RAM: 9 MB**

Repetition performances, staccato
1 velocity layer

31 CH-Tenor_fast-rep_140 (150/160/170/180/200) **Range: C#3–E4** **Samples: 32** **RAM: 2 MB**

Staccato repetitions, 140–180, and 200 BPM
1 velocity layer
Release samples

04 Crumhorn bass — Range: F2–C4

Staccato, portato
Sustained
Legato and trill performances
Repetition performances legato, portato, staccato
Fast repetitions, 140–180, and 200 BPM

01 CH-Bass_staccato **Samples: 68** **RAM: 4 MB**

Staccato
1 velocity layer

02 CH-Bass_portato **Samples: 85** **RAM: 5 MB**

Portato
1 velocity layer
Release samples

04 CH-Bass_sus **Samples: 68** **RAM: 4 MB**

Sustained
1 velocity layer
Release samples

05 CH-Bass_perf-legato **Samples: 242** **RAM: 15 MB**

Legato
Monophonic
1 velocity layer
Release samples

06 CH-Bass_perf-trill **Samples: 618** **RAM: 38 MB**

Trills, minor 2nd to major 3rd
All other intervals legato
Monophonic
1 velocity layer
Release samples

21 CH-Bass_perf-rep_leg **Samples: 102** **RAM: 6 MB**

Repetition performances, legato
1 velocity layer
Release samples

22 CH-Bass_perf-rep_por **Samples: 153** **RAM: 9 MB**

Repetition performances, portato
1 velocity layer

23 CH-Bass_perf-rep_sta **Samples: 153** **RAM: 9 MB**

Repetition performances, staccato
1 velocity layer

31 CH-Bass_fast-rep_140 (150/160/170/180/200) **Range: F2–A#3** **Samples: 34** **RAM: 2 MB**

Staccato repetitions, 140–180, and 200 BPM
1 velocity layer
Release samples

05 Crumhorn great bass **Range: C2–F3**

Staccato, portato
Sustained
Legato and trill performances
Repetition performances legato, portato, staccato
Fast repetitions, 140–180, and 200 BPM

01 CH-GBass_staccato **Samples: 56** **RAM: 3 MB**

Staccato
1 velocity layer

02 CH-GBass_portato **Samples: 70** **RAM: 4 MB**

Portato
1 velocity layer
Release samples

04 CH-GBass_sus **Samples: 56** **RAM: 3 MB**

Sustained
1 velocity layer
Release samples

05 CH-GBass_perf-legato **Samples: 201** **RAM: 12 MB**

Legato
Monophonic
1 velocity layer
Release samples

06 CH-GBass_perf-trill **Samples: 511** **RAM: 31 MB**

Trills, minor 2nd to major 3rd
All other intervals legato
Monophonic
1 velocity layer
Release samples

21 CH-GBass_perf-rep_leg **Samples: 84** **RAM: 5 MB**

Repetition performances, legato
1 velocity layer
Release samples

22 CH-GBass_perf-rep_por **Samples: 140** **RAM: 8 MB**

Repetition performances, portato
1 velocity layer

23 CH-GBass_perf-rep_sta **Samples: 126** **RAM: 7 MB**

Repetition performances, staccato
1 velocity layer

31 CH-GBass_fast-rep_140 (150/160/170/180/200) Range: C2–D3 **Samples: 28** **RAM: 1 MB**

Staccato repetitions, 140–180, and 200 BPM
1 velocity layer
Release samples

06 Crumhorns merged Range: C2–F5

Staccato, portato
Sustained
Repetition performances legato, portato, staccato
Fast repetitions, 140–180, and 200 BPM

Ranges: C2–G2 Great Bass; G#2–E3 Bass; F3–F4 Alto; F#4–F5/D5 Soprano

01 CH-Merged_staccato **Samples: 152** **RAM: 9 MB**

Staccato
1 velocity layer

02 CH-Merged_portato **Samples: 190** **RAM: 11 MB**

Portato
1 velocity layer
Release samples

04 CH-Merged_sus **Samples: 152** **RAM: 9 MB**

Sustained
1 velocity layer
Release samples

21 CH-Merged_perf-rep_leg **Samples: 228** **RAM: 14 MB**

Repetition performances, legato
1 velocity layer
Release samples

22 CH-Merged_perf-rep_por **Samples: 342** **RAM: 21 MB**

Repetition performances, portato
1 velocity layer

23 CH-Merged_perf-rep_sta **Samples: 342** **RAM: 21 MB**

Repetition performances, staccato
1 velocity layer

31 CH-Merged_fast-rep_140 (150/160/170/180/200)
Range: C2–D5 **Samples: 76** **RAM: 4 MB**

Staccato repetitions, 140–180, and 200 BPM
1 velocity layer
Release samples

Natural trumpets

Natural trumpet Bb — Range: F3–D6

Staccato, portato
Sustained with and without vibrato
Legato performances with and without vibrato
Fortepiano, sforzato, sforzatissimo
Crescendo and diminuendo, 2/3/4 sec.
Repetition performances legato, portato, staccato, normal and crescendo
Fast repetitions, 140–180, and 200 BPM
Flutter tonguing normal and crescendo

Playing range: F3, Bb3, D4–D6

01 NT-Bb_staccato — **Samples: 272** **RAM: 17 MB**

Staccato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

02 NT-Bb_portato — **Samples: 312** **RAM: 19 MB**

Portato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

03 NT-Bb_sus_mV — **Samples: 288** **RAM: 18 MB**

Sustained, with vibrato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

03 NT-Bb_sus_oV — **Samples: 288** **RAM: 18 MB**

Sustained, without vibrato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

05 NT-Bb_perf-legato_mV — **Samples: 1004** **RAM: 62 MB**

Legato, with vibrato
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

05 NT-Bb_perf-legato_oV — **Samples: 1004** **RAM: 62 MB**

Legato, without vibrato
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

08 NT-Bb_fp — **Samples: 87** **RAM: 5 MB**

Fortepiano
1 velocity layer
Release samples

09 NT-Bb_sfz **Samples: 87** **RAM: 5 MB**

Sforzato
1 velocity layer
Release samples

10 NT-Bb_sffz **Samples: 72** **RAM: 4 MB**

Sforzatissimo
1 velocity layer
Release samples

11 NT-Bb_dyn_2s_oV **Samples: 28** **RAM: 1 MB**

Crescendo and diminuendo, without vibrato, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

12 NT-Bb_dyn_3s_oV **Samples: 36** **RAM: 2 MB**

Crescendo and diminuendo, without vibrato, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

13 NT-Bb_dyn_4s_mV **Samples: 36** **RAM: 2 MB**

Crescendo and diminuendo, with vibrato, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

21 NT-Bb_perf-rep_leg **Samples: 216** **RAM: 13 MB**

Repetition performances, legato
2 velocity layers: 0–88 p; 89–127 f
Release samples

22 NT-Bb_perf-rep_por **Samples: 270** **RAM: 16 MB**

Repetition performances, portato
2 velocity layers: 0–88 p; 89–127 f

23 NT-Bb_perf-rep_sta **Samples: 324** **RAM: 20 MB**

Repetition performances, staccato
2 velocity layers: 0–88 p; 89–127 f

24 NT-Bb_perf-rep_leg-cre **Samples: 90** **RAM: 5 MB**

Repetition performances, legato crescendo
1 velocity layer

25 NT-Bb_perf-rep_por-cre **Samples: 135** **RAM: 8 MB**

Repetition performances, portato crescendo
1 velocity layer

26 NT-Bb_perf-rep_sta-cre **Samples: 162** **RAM: 10 MB**

Repetition performances, staccato crescendo
1 velocity layer

31 NT-Bb_fast-rep_140 (150/160/170/180/200) **Samples: 72** **RAM: 4 MB**

Staccato repetitions, 140–180, and 200 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

41 NT-Bb_flatter **Range: F3–A#5** **Samples: 15** **RAM: 1 MB**

Flutter tonguing
1 velocity layer

42 NT-Bb_flatter_cre **Range: F3–A#5** **Samples: 16** **RAM: 1 MB**

Flutter tonguing, crescendo
1 velocity layer

Natural trumpet C — Range: G3–D6

Staccato, portato
Sustained with and without vibrato
Legato performances with and without vibrato
Fortepiano, sforzato, sforzatissimo
Crescendo and diminuendo, 2/3/4 sec.
Repetition performances legato, portato, staccato, normal and crescendo
Flutter tonguing normal and crescendo
Fast repetitions, 140–180, and 200 BPM
Flutter tonguing normal and crescendo

Playing range: G3, C4, E4–D6

01 NT-C_staccato **Samples: 272** **RAM: 17 MB**

Staccato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

02 NT-C_portato **Samples: 340** **RAM: 21 MB**

Portato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

03 NT-C_sus_mV **Samples: 272** **RAM: 17 MB**

Sustained, with vibrato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

03 NT-C_sus_oV **Samples: 272** **RAM: 17 MB**

Sustained, without vibrato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

05 NT-C_perf-legato_mV **Samples: 924** **RAM: 57 MB**

Legato, with vibrato
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

05 NT-C_perf-legato_oV **Samples: 924** **RAM: 57 MB**

Legato, without vibrato
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

08 NT-C_fp **Samples: 82** **RAM: 5 MB**

Fortepiano
1 velocity layer
Release samples

09 NT-C_sfz **Samples: 85** **RAM: 5 MB**

Sforzato
1 velocity layer
Release samples

10 NT-C_sffz **Samples: 68** **RAM: 4 MB**

Sforzatissimo
1 velocity layer
Release samples

11 NT-C_dyn_2s_oV **Samples: 32** **RAM: 2 MB**

Crescendo and diminuendo, without vibrato, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

12 NT-C_dyn_3s_oV **Samples: 34** **RAM: 2 MB**

Crescendo and diminuendo, without vibrato, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

13 NT-C_dyn_4s_mV **Samples: 34** **RAM: 2 MB**

Crescendo and diminuendo, with vibrato, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

21 NT-C_perf-rep_leg **Samples: 204** **RAM: 12 MB**

Repetition performances, legato
2 velocity layers: 0–88 p; 89–127 f
Release samples

22 NT-C_perf-rep_por **Samples: 306** **RAM: 19 MB**

Repetition performances, portato
2 velocity layers: 0–88 p; 89–127 f

23 NT-C_perf-rep_sta **Samples: 306** **RAM: 19 MB**

Repetition performances, staccato
2 velocity layers: 0–88 p; 89–127 f

24 NT-C_perf-rep_leg-cre **Samples: 85** **RAM: 5 MB**

Repetition performances, legato crescendo
1 velocity layer

25 NT-C_perf-rep_por-cre **Samples: 153** **RAM: 9 MB**

Repetition performances, portato crescendo
1 velocity layer

26 NT-C_perf-rep_sta-cre **Samples: 153** **RAM: 9 MB**

Repetition performances, staccato crescendo
1 velocity layer

31 NT-C_fast-rep_140 (150/160/170/180/200) **Samples: 68** **RAM: 4 MB**

Staccato repetitions, 140–180, and 200 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

41 NT-C_flatter **Samples: 17** **RAM: 1 MB**

Flutter tonguing
1 velocity layer

42 NT-C_flatter_cre **Samples: 17** **RAM: 1 MB**

Flutter tonguing, crescendo
1 velocity layer

Natural trumpet D — Range: A3–E6

Staccato, portato
Sustained with and without vibrato
Legato performances with and without vibrato
Fortepiano, sforzato, sforzatissimo
Crescendo and diminuendo, 2/3/4 sec.
Repetition performances legato, portato, staccato, normal and crescendo
Fast repetitions, 140–180, and 200 BPM
Flutter tonguing normal and crescendo

Playing range: A3, D4, F#4–E6

01 NT-D_staccato **Samples: 272** **RAM: 17 MB**

Staccato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

02 NT-D_portato **Samples: 340** **RAM: 21 MB**

Portato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

03 NT-D_sus_mV **Samples: 272** **RAM: 17 MB**

Sustained, with vibrato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

03 NT-D_sus_oV **Samples: 272** **RAM: 17 MB**

Sustained, without vibrato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

05 NT-D_perf-legato_mV **Samples: 852** **RAM: 53 MB**

Legato, with vibrato
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

05 NT-D_perf-legato_oV **Samples: 852** **RAM: 53 MB**

Legato, without vibrato
Monophonic
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f
Release samples

08 NT-D_fp **Samples: 85** **RAM: 5 MB**

Fortepiano
1 velocity layer
Release samples

09 NT-D_sfz **Samples: 85** **RAM: 5 MB**

Sforzato
1 velocity layer
Release samples

10 NT-D_sffz **Samples: 68** **RAM: 4 MB**

Sforzatissimo
1 velocity layer
Release samples

11 NT-D_dyn_2s_oV **Samples: 34** **RAM: 2 MB**

Crescendo and diminuendo, without vibrato, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

12 NT-D_dyn_3s_oV **Samples: 34** **RAM: 2 MB**

Crescendo and diminuendo, without vibrato, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

13 NT-D_dyn_4s_mV **Samples: 34** **RAM: 2 MB**

Crescendo and diminuendo, with vibrato, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

21 NT-D_perf-rep_leg **Samples: 204** **RAM: 12 MB**

Repetition performances, legato
2 velocity layers: 0–88 p; 89–127 f
Release samples

22 NT-D_perf-rep_por **Samples: 306** **RAM: 19 MB**

Repetition performances, portato
2 velocity layers: 0–88 p; 89–127 f

23 NT-D_perf-rep_sta **Samples: 306** **RAM: 19 MB**

Repetition performances, staccato
2 velocity layers: 0–88 p; 89–127 f

24 NT-D_perf-rep_leg-cre **Samples: 85** **RAM: 5 MB**

Repetition performances, legato crescendo
1 velocity layer

25 NT-D_perf-rep_por-cre **Samples: 153** **RAM: 9 MB**

Repetition performances, portato crescendo
1 velocity layer

26 NT-D_perf-rep_sta-cre **Samples: 153** **RAM: 9 MB**

Repetition performances, staccato crescendo
1 velocity layer

31 NT-D_fast-rep_140 (150/160/170/180/200) **Samples: 68** **RAM: 4 MB**

Staccato repetitions, 140–180, and 200 BPM
2 velocity layers: 0–88 p; 89–127 f
Release samples

41 NT-D_flatter **Samples: 16** **RAM: 1 MB**

Flutter tonguing
1 velocity layer

42 NT-D_flatter_cre **Samples: 16** **RAM: 1 MB**

Flutter tonguing, crescendo
1 velocity layer

Matrices

Matrix - VI

Cornett

01 CNT_Art-Combi **Samples: 4082 RAM: 255 MB**

Staccato, portato short and long, portato long with staccato attack
Sustained normal and with staccato attack
Sforzato
Performance legato and trills
Performance repetitions legato, portato, staccato
Crescendo and diminuendo 2/3/4 sec.
pfp 2/4/6 sec.
Fast repetitions 140/160/180/200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	sfz	legato	legato reps.	dyn 2 sec.	pfp 2 sec.	reps. 140 BPM
V2	portato short	sustained	sfz	legato	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 160 BPM
V3	portato long	sustained	sfz	perf. trills	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 180 BPM
V4	portato long / stacc. attack	sus / stacc. attack	sfz	perf. trills	staccato reps.	dyn 4 sec.	pfp 6 sec.	reps. 200 BPM

Crumhorns

01 CH-Soprano_Art-Combi **Samples: 1056 RAM: 66 MB**

Staccato, portato normal and with staccato attack
Sustained normal and with staccato attack
Performance legato and trills
Performance repetitions legato, portato, staccato
Fast repetitions 140/160/180 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	legato	legato reps.	reps. 140 BPM
V2	portato	sustained	legato	portato reps.	reps. 160 BPM
V3	portato / stacc. attack	sus / stacc. attack	perf. trills	staccato reps.	reps. 180 BPM

02 CH-Alto_Art-Combi

Samples: 1056 RAM: 66 MB

Staccato, portato normal and with staccato attack
Sustained normal and with staccato attack
Performance legato and trills
Performance repetitions legato, portato, staccato
Fast repetitions 140/160/180 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	legato	legato reps.	reps. 140 BPM
V2	portato	sustained	legato	portato reps.	reps. 160 BPM
V3	portato / stacc. attack	sus / stacc. attack	perf. trills	staccato reps.	reps. 180 BPM

03 CH-Tenor_Art-Combi

Samples: 1133 RAM: 70 MB

Staccato, portato normal and with staccato attack
Sustained normal and with staccato attack
Performance legato and trills
Performance repetitions legato, portato, staccato
Fast repetitions 140/160/180 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	legato	legato reps.	reps. 140 BPM
V2	portato	sustained	legato	portato reps.	reps. 160 BPM
V3	portato / stacc. attack	sus / stacc. attack	perf. trills	staccato reps.	reps. 180 BPM

04 CH-Bass_Art-Combi

Samples: 1281 RAM: 80 MB

Staccato, portato normal and with staccato attack
Sustained normal and with staccato attack
Performance legato and trills
Performance repetitions legato, portato, staccato
Fast repetitions 140/160/180 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	legato	legato reps.	reps. 140 BPM
V2	portato	sustained	legato	portato reps.	reps. 160 BPM
V3	portato / stacc. attack	sus / stacc. attack	perf. trills	staccato reps.	reps. 180 BPM

05 CH-GBass_Art-Combi

Samples: 1063 RAM: 66 MB

Staccato, portato normal and with staccato attack
Sustained normal and with staccato attack
Performance legato and trills
Performance repetitions legato, portato, staccato
Fast repetitions 140/160/180 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	legato	legato reps.	reps. 140 BPM
V2	portato	sustained	legato	portato reps.	reps. 160 BPM
V3	portato / stacc. attack	sus / stacc. attack	perf. trills	staccato reps.	reps. 180 BPM

06 CH-Merged_Art-Combi

Samples: 1482 RAM: 92 MB

Staccato, portato normal and with staccato attack
Sustained normal and with staccato attack
Performance legato and trills
Performance repetitions legato, portato, staccato
Fast repetitions 140/160/180 BPM

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sustained	legato reps.	reps. 140 BPM
V2	portato	sustained	sustained	portato reps.	reps. 160 BPM
V3	portato / stacc. attack	sus / stacc. attack	sus / stacc. attack	staccato reps.	reps. 180 BPM

Natural trumpets

01 NT-Bb_Art-Combi

Samples: 2981 RAM: 186 MB

Staccato, portato, portato normal and with staccato attack
Sustained without and with vibrato, normal and with staccato attack, vibrato/no vibrato X-fade
Fortepiano, sforzato, sforzatissimo
Performance legato without and with vibrato, vibrato/no vibrato X-fade
Performance repetitions legato, portato, staccato
Flutter tonguing normal and crescendo
Fast repetitions 140/160/180/200 BPM

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sus no vib.	fp	legato no vib.	legato reps.	flutter	reps. 140 BPM
V2	portato	sus vib.	sfz	legato no vib.	portato reps.	flutter	reps. 160 BPM
V3	portato	sus no vib. / stacc. attack	sfz	legato vib.	portato reps.	flutter cres.	reps. 180 BPM
V4	portato / stacc. attack	sus vib./no vib. X-fade	sffz	legato vib./no vib. X-fade	staccato reps.	flutter cres.	reps. 200 BPM

02 NT-C_Art-Combi

Samples: 2908 RAM: 181 MB

Staccato, portato, portato normal and with staccato attack
Sustained without and with vibrato, normal and with staccato attack, vibrato/no vibrato X-fade
Fortepiano, sforzato, sforzatissimo
Performance legato without and with vibrato, vibrato/no vibrato X-fade
Performance repetitions legato, portato, staccato
Flutter tonguing normal and crescendo
Fast repetitions 140/160/180/200 BPM

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sus no vib.	fp	legato no vib.	legato reps.	flutter	reps. 140 BPM
V2	portato	sus vib.	sfz	legato no vib.	portato reps.	flutter	reps. 160 BPM
V3	portato	sus no vib. / stacc. attack	sfz	legato vib.	portato reps.	flutter cres.	reps. 180 BPM
V4	portato / stacc. attack	sus vib./no vib. X-fade	sffz	legato vib./no vib. X-fade	staccato reps.	flutter cres.	reps. 200 BPM

03 NT-D_Art-Combi — Samples: 2841 RAM: 177 MB

Staccato, portato, portato normal and with staccato attack
Sustained without and with vibrato, normal and with staccato attack, vibrato/no vibrato X-fade
Fortepiano, sforzato, sforzatissimo
Performance legato without and with vibrato, vibrato/no vibrato X-fade
Performance repetitions legato, portato, staccato
Flutter tonguing normal and crescendo
Fast repetitions 140/160/180/200 BPM

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sus no vib.	fp	legato no vib.	legato reps.	flutter	reps. 140 BPM
V2	portato	sus vib.	sfz	legato no vib.	portato reps.	flutter	reps. 160 BPM
V3	portato	sus no vib. / stacc. attack	sfz	legato vib.	portato reps.	flutter cres.	reps. 180 BPM
V4	portato / stacc. attack	sus vib./no vib. X-fade	sffz	legato vib./no vib. X-fade	staccato reps.	flutter cres.	reps. 200 BPM

Matrix - VI PRO

Cornett

01P CNT_Art-Combi_Pure — Samples: 4082 RAM: 255 MB

Like 01 CNT_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	sfz	legato	legato reps.	dyn 2 sec.	pfp 2 sec.	reps. 140 BPM
V2	portato short	sustained	sfz	legato	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 160 BPM
V3	portato long	sustained	sfz	perf. trills	portato reps.	dyn 3 sec.	pfp 4 sec.	reps. 180 BPM
V4	portato long / stacc. attack	sus / stacc. attack	sfz	perf. trills	staccato reps.	dyn 4 sec.	pfp 6 sec.	reps. 200 BPM

02P CNT_Art-Combi_Vib — Samples: 4082 RAM: 255 MB

Like 01 CNT_Art-Combi, with added LFO effects to simulate slight vibrato

03P CNT_Art-Combi_Tune — Samples: 4082 RAM: 255 MB

Like 01 CNT_Art-Combi, with added tuning-in variations in the attack

Crumhorns

01P CH-Soprano_Art-Combi — Samples: 1056 RAM: 66 MB

Like 01 CH-Soprano_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	legato	legato reps.	reps. 140 BPM
V2	portato	sustained	legato	portato reps.	reps. 160 BPM
V3	portato / stacc. attack	sus / stacc. attack	perf. trills	staccato reps.	reps. 180 BPM

02P CH-Alto_Art-Combi — Samples: 1056 RAM: 66 MB

Like 02P CH-Alto_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	legato	legato reps.	reps. 140 BPM
V2	portato	sustained	legato	portato reps.	reps. 160 BPM
V3	portato / stacc. attack	sus / stacc. attack	perf. trills	staccato reps.	reps. 180 BPM

03P CH-Tenor_Art-Combi — Samples: 1133 RAM: 70 MB

Like 03P CH-Tenor_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	legato	legato reps.	reps. 140 BPM
V2	portato	sustained	legato	portato reps.	reps. 160 BPM
V3	portato / stacc. attack	sus / stacc. attack	perf. trills	staccato reps.	reps. 180 BPM

04P CH-Bass_Art-Combi — Samples: 1281 RAM: 80 MB

Like 04 CH-Bass_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	legato	legato reps.	reps. 140 BPM
V2	portato	sustained	legato	portato reps.	reps. 160 BPM
V3	portato / stacc. attack	sus / stacc. attack	perf. trills	staccato reps.	reps. 180 BPM

05P CH-GBass_Art-Combi — Samples: 1063 RAM: 66 MB

Like 05 CH-GBass_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	legato	legato reps.	reps. 140 BPM
V2	portato	sustained	legato	portato reps.	reps. 160 BPM
V3	portato / stacc. attack	sus / stacc. attack	perf. trills	staccato reps.	reps. 180 BPM

06P CH-Merged_Art-Combi — Samples: 1482 RAM: 92 MB

Like 06 CH-Merged_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–E1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1
V1	staccato	sustained	sustained	legato reps.	reps. 140 BPM
V2	portato	sustained	sustained	portato reps.	reps. 160 BPM
V3	portato / stacc. attack	sus / stacc. attack	sus / stacc. attack	staccato reps.	reps. 180 BPM

Natural trumpets

01P NT-Bb_Art-Combi

Samples: 2981 RAM: 186 MB

Like 01 NT-Bb_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sus no vib.	fp	legato no vib.	legato reps.	flutter	reps. 140 BPM
V2	portato	sus vib.	sfz	legato no vib.	portato reps.	flutter	reps. 160 BPM
V3	portato	sus no vib. / stacc. attack	sfz	legato vib.	portato reps.	flutter cres.	reps. 180 BPM
V4	portato / stacc. attack	sus vib./no vib. X-fade	sffz	legato vib./no vib. X-fade	staccato reps.	flutter cres.	reps. 200 BPM

02P NT-C_Art-Combi

Samples: 2908 RAM: 181 MB

Like 02 NT-C_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sus no vib.	fp	legato no vib.	legato reps.	flutter	reps. 140 BPM
V2	portato	sus vib.	sfz	legato no vib.	portato reps.	flutter	reps. 160 BPM
V3	portato	sus no vib. / stacc. attack	sfz	legato vib.	portato reps.	flutter cres.	reps. 180 BPM
V4	portato / stacc. attack	sus vib./no vib. X-fade	sffz	legato vib./no vib. X-fade	staccato reps.	flutter cres.	reps. 200 BPM

03P NT-D_Art-Combi

Samples: 2841 RAM: 177 MB

Like 03 NT-D_Art-Combi, with the advanced options of Vienna Instruments Pro

Matrix switches: Horizontal: Keyswitches, C1–F#1 Vertical: Modwheel, 4 zones

	C1	C#1	D1	D#1	E1	F1	F#1
V1	staccato	sus no vib.	fp	legato no vib.	legato reps.	flutter	reps. 140 BPM
V2	portato	sus vib.	sfz	legato no vib.	portato reps.	flutter	reps. 160 BPM
V3	portato	sus no vib. / stacc. attack	sfz	legato vib.	portato reps.	flutter cres.	reps. 180 BPM
V4	portato / stacc. attack	sus vib./no vib. X-fade	sffz	legato vib./no vib. X-fade	staccato reps.	flutter cres.	reps. 200 BPM

Presets

Preset - VI

Cornett - Preset **Samples: 4082** **RAM: 255 MB**
Matrix: 01 CNT_Art-Combi

Crumhorn Alto - Preset **Samples: 1056** **RAM: 66 MB**
Matrix: 02 CH-Alto_Art-Combi

Crumhorn Bass - Preset **Samples: 1281** **RAM: 80 MB**
Matrix: 04 CH-Bass_Art-Combi

Crumhorn Great-Bass - Preset **Samples: 1063** **RAM: 66 MB**
Matrix: 05 CH-GBass_Art-Combi

Crumhorn Soprano - Preset **Samples: 1056** **RAM: 66 MB**
Matrix: 01 CH-Soprano_Art-Combi

Crumhorn Tenor - Preset **Samples: 1133** **RAM: 70 MB**
Matrix: 03 CH-Tenor_Art-Combi

Crumhorns Merged - Preset **Samples: 1482** **RAM: 92 MB**
Matrix: 06 CH-Merged_Art-Combi

Natural trumpet Bb - Preset **Samples: 2981** **RAM: 186 MB**
Matrix: 01 NT-Bb_Art-Combi

Natural trumpet C - Preset **Samples: 2908** **RAM: 181 MB**
Matrix: 02 NT-C_Art-Combi

Natural trumpet D - Preset **Samples: 2841** **RAM: 177 MB**
Matrix: 03 NT-D_Art-Combi

Preset - VI PRO

Cornett - Preset Pro **Samples: 4082** **RAM: 255 MB**
Matrices:
01P CNT_Art-Combi_Pure
02P CNT_Art-Combi_Vib
03P CNT_Art-Combi_Tune
Matrix Keyswitches: C2–D2

Crumhorn Alto - Preset Pro **Samples: 1056** **RAM: 66 MB**
Matrix: 02P CH-Alto_Art-Combi

Crumhorn Bass - Preset Pro **Samples: 1281** **RAM: 80 MB**
Matrix: 04P CH-Bass_Art-Combi

Crumhorn Great-Bass - Preset Pro **Samples: 1063** **RAM: 66 MB**
Matrix: 05P CH-GBass_Art-Combi

Crumhorn Merged - Preset Pro **Samples: 1482** **RAM: 92 MB**
Matrix: 06P CH-Merged_Art-Combi

Crumhorn Soprano - Preset Pro **Samples: 1056** **RAM: 66 MB**
Matrix: 01P CH-Soprano_Art-Combi

Crumhorn Tenor - Preset Pro **Samples: 1133** **RAM: 70 MB**
Matrix: 03P CH-Tenor_Art-Combi

Natural trumpet Bb - Preset Pro **Samples: 2981** **RAM: 186 MB**
Matrix: 01P NT-Bb_Art-Combi

Natural trumpet C - Preset Pro **Samples: 2908** **RAM: 181 MB**
Matrix: 02P NT-C_Art-Combi

Natural trumpet D - Preset Pro **Samples: 2841** **RAM: 177 MB**
Matrix: 03P NT-D_Art-Combi

Historic Winds III

Patches

Natural horns

All instruments are mapped according to their harmonic series partials. Here is a list of the horns' respective mappings and ranges.

01 Natural Horn C Alto: C2, C3, G3, C4, E4–E5/G5;
legato: C2, C3, G3, C4, E4, G4, A#4–E5

02 Natural Horn C Basso: G1, C2, G2, C3, E3–C5;
legato: G1, C2, G2, C3, E3, G3, A#3–C5

03 Natural Horn D: A1, D2, A2, D3, F#3–D5;
legato: A1, D2, A2, D3, F#3, A3, C3–D5

04 Natural Horn Eb: Bb1, Eb2, Bb2, Eb3, G3–Eb5;
legato: Bb1, Eb2, Bb2, Eb3, G3, Bb3, Db4–Eb5

05 Natural Horn E: E2, B2, E3, G#3–E5;
legato: E2, B2, E3, G#3, B3, D4–E5

06 Natural Horn F: F2, C3, F3, A3–F5;
legato: F2, C3, F3, A3, C4, D#4–F5

07 Natural Horn G: G2, D3, G3, B3–D5;
legato: G2, D3, G3, B3, D4, F4–D5

08 Natural Horn A: A1, A2, E3, A3, C#4–E5;
legato: A1, A2, E3, A3, C#4, E4, G4–E5

09 Natural Horn Bb Alto: Bb1, Bb2, F3, Bb3, D4–F5;
legato: Bb1, Bb2, F3, Bb3, D4, F4, Ab4–F5

10 Natural Horn Bb Basso: Bb1, F2, Bb2, D3–C5;
legato: Bb1, F2, Bb2, D3, F3, Ab3–C5

Since the articulations are exactly the same for every instrument and only differ in their sample counts and ranges, only the Patches of the Natural Horn in C Alto are listed here.

01 Natural Horn C Alto — Range: C2–E5

Staccato, portato
Sustained
Legato
Fortepiano, sforzato, sforzatissimo
Crescendo and diminuendo, 2/3/4 sec.
Repetition performances legato, portato, staccato, normal and crescendo
Fast repetitions, 140–180, and 200 BPM
Flutter tonguing, normal and crescendo

Mapped according to the harmonic series partials: C2, C3, G3, C4, E4–E5/G5; legato: C2, C3, G3, C4, E4, G4, A#4–E5

01 NH-C-Alto_staccato — **Range: C2–G5** — **Samples: 224** — **RAM: 14 MB**

Staccato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

02 NH-C-Alto_portato **Range: C2–G5** **Samples: 224** **RAM: 14 MB**

Portato
4 velocity layers: 0–55 p; 56–88 mp; 89–108 mf; 109–127 f

03 NH-C-Alto_sus **Samples: 132** **RAM: 8 MB**

Sustained, with release samples
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

05 NH-C-Alto_perf-leg **Samples: 359** **RAM: 22 MB**

Legato, with release samples
Monophonic
3 velocity layers: 0–55 p; 56–108 mf; 109–127 f

08 NH-C-Alto_fp **Samples: 33** **RAM: 2 MB**

Fortepiano
1 velocity layer

09 NH-C-Alto_sfz **Samples: 33** **RAM: 2 MB**

Sforzato
1 velocity layer

10 NH-C-Alto_sffz **Samples: 33** **RAM: 2 MB**

Sforzatissimo
1 velocity layer

11 NH-C-Alto_dyn_2s **Samples: 22** **RAM: 1 MB**

Crescendo and diminuendo, 2 sec.
1 velocity layer
AB switch: crescendo/diminuendo

12 NH-C-Alto_dyn_3s **Samples: 22** **RAM: 1 MB**

Crescendo and diminuendo, 3 sec.
1 velocity layer
AB switch: crescendo/diminuendo

13 NH-C-Alto_dyn_4s **Samples: 22** **RAM: 1 MB**

Crescendo and diminuendo, 4 sec.
1 velocity layer
AB switch: crescendo/diminuendo

21 NH-C-Alto_perf-rep_leg **Samples: 132** **RAM: 8 MB**

Repetition performances, legato, with release samples
2 velocity layers: 0–88 p; 89–127 f

22 NH-C-Alto_perf-rep_por **Samples: 198** **RAM: 12 MB**

Repetition performances, portato
2 velocity layers: 0–88 p; 89–127 f

23 NH-C-Alto_perf-rep_sta **Samples: 198** **RAM: 12 MB**

Repetition performances, staccato
2 velocity layers: 0–88 p; 89–127 f

24 NH-C-Alto_perf-rep_leg-cre **Samples: 55** **RAM: 3 MB**

Repetition performances, legato, crescendo
1 velocity layer

25 NH-C-Alto_perf-rep_por-cre **Samples: 99** **RAM: 6 MB**

Repetition performances, portato, crescendo
1 velocity layer

26 NH-C-Alto_perf-rep_sta-cre **Samples: 99** **RAM: 6 MB**

Repetition performances, staccato, crescendo
1 velocity layer

31 NH-C-Alto_fast-rep_140 (150/160/170/180/200) Range: C2–F#5 **Samples: 60** **RAM: 3 MB**

Staccato repetitions, 140–180, and 200 BPM, with release samples
2 velocity layers: 0–88 p; 89–127 f

Matrices

Matrix - VI

Since all natural horn Matrices have the same layout, only the first one is described here. Naturally, sample counts and RAM usage vary. Vienna Instruments Pro Matrices and Presets are the same as their VI namesakes, but make use of Vienna Instruments Pro's advanced features.

01 NH-C-Alto_Art-Combi **Samples: 1631** **RAM: 101 MB**

Staccato, portato
Sustained normal and with staccato attack
Fp, sfz, sffz
Performance legato
Performance repetitions legato, portato, staccato
Crescendo and diminuendo 2/3/4 sec.
Flutter tonguing normal and crescendo
Fast repetitions 140/170/200 BPM

Matrix switches: Horizontal: Keyswitches, C1–G1 Vertical: Modwheel, 3 zones

	C1	C#1	D1	D#1	E1	F1	F#1	G1
V1	staccato	sustained	fp	legato	legato reps.	dyn 2 sec.	flutter	reps. 140 BPM
V2	portato	sustained	sfz	legato	portato reps.	dyn 3 sec.	flutter	reps. 170 BPM
V3	portato	sus stacc. attack	sffz	legato	staccato reps.	dyn 4 sec.	flutter cres.	reps. 200 BPM

Presets

Preset - VI

01 NH-C-Alto - Preset **Samples: 1631** **RAM: 101 MB**

Natural horn in C, alto
Matrix: 01 NH-C-Alto_Art-Combi

02 NH-C-Basso - Preset **Samples: 2788** **RAM: 174 MB**

Natural horn in C, basso
Matrix: 02 NH-C-Basso_Art-Combi

03 NH-D - Preset **Samples: 2788** **RAM: 174 MB**

Natural horn in D
Matrix: 03 NH-D_Art-Combi

04 NH-Eb - Preset **Samples: 2695** **RAM: 168 MB**

Natural horn in Eb
Matrix: 04 NH-Eb_Art-Combi

05 NH-E - Preset **Samples: 2568** **RAM: 160 MB**

Natural horn in E
Matrix: 05 NH-E_Art-Combi

06 NH-F - Preset **Samples: 2568** **RAM: 160 MB**

Natural horn in F
Matrix: 06 NH-F_Art-Combi

07 NH-G - Preset **Samples: 1861** **RAM: 116 MB**

Natural horn in G
Matrix: 07 NH-G_Art-Combi

08 NH-A - Preset **Samples: 1984** **RAM: 124 MB**

Natural horn in A
Matrix: 08 NH-A_Art-Combi

09 NH-Bb-Alto - Preset **Samples: 1976** **RAM: 123 MB**

Natural horn in Bb, alto
Matrix: 09 NH-Bb-Alto_Art-Combi

10 NH-Bb-Basso - Preset **Samples: 2902** **RAM: 181 MB**

Natural horn in Bb, basso
Matrix: 10 NH-Bb-Basso_Art-Combi